

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A transmission-reflection type liquid crystal display device, comprising:

a first transparent substrate;

a second transparent substrate;

a liquid crystal layer between the first transparent substrate and the second transparent substrate;

a linear polarizer on the second transparent substrate;

a cholesteric liquid crystal polarizer on an outer side of the first transparent substrate, the cholesteric liquid crystal polarizer including a right handed helical cholesteric liquid crystal having a range of pitch values of $(380\text{nm}-800\text{nm})/n$, where n is an average index of refraction of the cholesteric liquid crystal; and

a reflecting film on an inner side of the first transparent substrate adjacent to the liquid crystal layer, the reflecting film functioning as a pixel electrode and defining a light-transmitting region, wherein said light transmitting region is disposed between an inner edge of a gate line and a side of an outer edge periphery of said reflecting film in each pixel, ~~[[an]]~~ a first opposing side of said reflecting film entirely substantially overlapping an adjacent gate line, and a second opposing side of said reflecting film substantially overlapping an adjacent data line.

2. (Original) The transmission-reflection type liquid crystal display device of claim 1, further comprising:

a $\lambda/4$ phase shift plate between the linear polarizer and the liquid crystal layer.

3. (Original) The transmission-reflection type liquid crystal display device of claim 1, wherein when a voltage is not impressed on the liquid crystal layer, the liquid crystal layer imparts a phase shift of $\lambda/4$ to light transmitted through the liquid crystal layer.

4. (Canceled)

5. (Original) The transmission-reflection type liquid crystal display device of claim 1, further comprising:

a color filter between the linear polarizer and the liquid crystal layer.

6. (Original) The transmission-reflection type liquid crystal display device of claim 1, further comprising:

a transparent common electrode between the linear polarizer and the liquid crystal layer.

7. (Currently Amended) A transmission-reflection type liquid crystal display device, comprising:

a plurality of gate lines and data lines defining a plurality of pixels;

a transistor in each pixel, a gate of which is connected to gate line and a second terminal of which is connected to a data line;

a reflecting film functioning as a pixel electrode formed in each pixel and connected to a third terminal of the transistor in each pixel, ~~[[an]]~~ a first outer edge at a side of said reflecting film entirely substantially overlapping one of said gate lines, while an outer edge at an opposing side of said reflecting film does not overlap an inner edge of an adjacent gate line, and a second outer edge of said reflecting film substantially overlapping an adjacent one of said data lines and

wherein a light-transmitting region through which light may pass is disposed between said one of said gate lines and said outer edge of said reflecting film which does not overlap an inner edge of said adjacent gate line in each pixel.

8. (Original) The transmission-reflection type liquid crystal display device of claim 7, wherein the light-transmitting region exists between a data line adjacent to the data line connected to the second terminal of the transistor and the reflecting film in each pixel.

9. (Original) The transmission-reflection type liquid crystal display device of claim 7, wherein the reflecting film overlaps the data line connected to the second terminal of the transistor in each pixel.

10. (Original) The transmission-reflection type liquid crystal display device of claim 7, wherein the reflecting film overlaps a gate line adjacent to the gateline connected to the gate of the transistor in each pixel.

11-22. (Canceled)

23. (Currently Amended) A transmission-reflection type liquid crystal display device, comprising:

a first substrate;

a second substrate having a predetermined space with the first substrate;

a backlight on a lower side of the first substrate;

a circular polarizer between the first substrate and the backlight, the circular polarizer including a cholesteric liquid crystal polarizer including a right handed helical cholesteric liquid crystal having a range of pitch values of $(380\text{nm}-800\text{nm})/n$, where n is an average index of refraction of the cholesteric liquid crystal;

a linear polarizer on the second substrate;

a common electrode on an inner side of the second substrate;

a plurality of gate and data lines on an inner side of the first substrate;

a plurality of pixel regions being defined by the plurality of gate and data lines;

a reflecting film functioning as a pixel electrode on the pixel regions; and

a liquid crystal layer between the first and second substrates,

wherein an outer peripheral edge of a side of the reflecting film is apart from any one of the gate and data lines to define a light-transmitting region between said any one of the gate and data lines and a reflecting region on the reflecting film, while an outer peripheral edge of ~~[[an]]~~ a first opposing side of said reflecting film ~~entirely~~ substantially overlaps ~~any one of the gate and data lines~~ line in one pixel, and an outer peripheral edge of a second opposing side of said reflecting film substantially overlaps the data line in the one pixel.

24. (Previously Presented) The transmission-reflection type liquid crystal display device of claim 23, further comprising a phase shift layer between the linear polarizer and the liquid crystal layer.

25. (Canceled)

26. (Previously Presented) The transmission-reflection type liquid crystal display device of claim 24, wherein the phase shift layer is a quarter wave plate.

27. (Canceled)

28. (Previously Presented) The transmission-reflection type liquid crystal display device of claim 1, wherein the pixel electrode is formed from an aluminum metal layer.

29. (Previously Presented) The transmission-reflection type liquid crystal display device of claim 7, wherein the pixel electrode is formed from an aluminum metal layer.

30. (Previously Presented) The transmission-reflection type liquid crystal display device of claim 23, wherein the pixel electrode is formed from an aluminum metal layer.